

EFFICACY REVIEW

DATE: IN 1/15/98 OUT 2/4/98

REVIEWER: **KEVIN J. SWEENEY, ENTOMOLOGIST**
FILE OR REG. NO.: **13283-EG**

PETITION OR EXP. PERMIT NO.:

DATE DIV. RECEIVED: **12/17/97**

DATE OF SUBMISSION: **12/9/97**

DATE SUBMISSION ACCEPTED

TYPE PRODUCT(S): **I, D, H, F, N, R, S**

DATA ACCESSION NO(S). **D242215, S535974**
PRODUCT MGR. NO.: **13**

PRODUCT NAME(S): **RAINBOW DM FIRE ANT KILLER**

COMPANY NAME: **Rainbow Technology Corporation**

SUBMISSION PURPOSE: **Reregistration - 166**
Efficacy Data for Fire Ant Labeling

CHEMICAL & FORMULATION: **Deltamethrin 0.25%**

CONCLUSIONS & RECOMMENDATIONS

Study Title: Product Performance Data of Rainbow DM Fire Ant Killer

This submission is a response to my efficacy review dated October 3, 1997. The original study tested an application rate of 0.32 oz./square foot. This rate was a fraction (1/13) of the label rate of 4.0 oz./square foot. The efficacy study showed that 100% control of fire ants was achieved at the lower rate and it was effective for 30 days. There were no mound relocations.

The product is to be used in utility boxes. Inside the box the applied pesticide is not subjected to weathering and should remain stable.

Based on the above, the product should be granted a conditional registration with a label rate of 4 oz./square foot. However, since this rate is thirteen times higher than the rate tested in the study, the Agency requests the company to submit data to justify the higher rate of application. The higher rate of application must show a long period of control to be justified. otherwise, the label rate will have to be reduced.

The label needs to be changed on page two to read: "This container will cover up to a 24 square foot area (an area approximately 4' x 6')."